Use Trends of Pesticides Listed by U.S. EPA as A or B Carcinogens or on the State's Proposition 65 List of Chemicals that are 'Known to Cause Cancer': Pounds Applied

Text files of data are available. The reported pounds of chemicals used that are included on the State's Proposition 65 list of chemicals known to cause cancer as well as the chemicals receiving a 'carcinogen,' 'probable carcinogen,' or 'possible carcinogen' rating from the U.S. Environmental Protection Agency's Chronic Dose-Response Assessment Table (Dose-Response Assessment for Assessing Health Risks Associated with Exposure to Hazardous Air Pollutants). Values greater than one are rounded. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions Guide.

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1,3-dichloropropene	15,693,070	14,132,954	12,581,936	12,580,525	11,304,749	11,670,917	11,018,263	9,749,518	7,023,406	6,989,162
4-vinylcyclohexenediep oxide	0	0	0	< 1	< 1	2	1	< 1	1	< 1
Acifluorfen, sodium salt	0	0	0	< 1	0	0	< 1	0	0	0
Aggregated adjuvant data	116	488	293	390	360	377	286	66	151	94
Alachlor	3,230	84	9	5	9	0	9	9	9	0
Amitrole	0	2	0	0	14	0	0	0	0	< 1
Arsenic pentoxide	22,190	10,508	5,105	3,677	0	0	0	0	0	1
Arsenic trioxide	< 1	< 1	0	0	0	0	0	0	0	0
Cacodylic acid	0	< 1	< 1	1	0	1	< 1	< 1	< 1	0
Captan	511,177	638,313	561,762	414,516	379,101	376,873	333,335	332,479	368,402	368,327
Carbaryl	155,525	221,095	107,470	128,935	113,755	110,504	99,403	85,258	84,492	91,083
Carbon tetrachloride	< 1	< 1	< 1	< 1	< 1	142	104	0	0	0
Chlordane	2	0	< 1	< 1	0	< 1	0	0	1	0
Chlordecone	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorothalonil	1,068,885	1,130,328	1,240,450	1,172,502	1,163,029	1,152,705	913,109	800,471	1,196,713	1,114,665
Chromic acid	31,629	15,709	7,632	5,497	0	0	0	0	0	< 1

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Coconut diethanolamide	11,725	15,808	16,637	19,574	28,579	19,794	31,463	21,106	20,833	17,318
Creosote	1	0	0	< 1	1	3	4	0	1	0
Daminozide	8,974	7,585	8,063	6,819	7,146	5,286	4,323	4,628	3,760	3,333
Ddvp	4,132	3,919	3,523	3,581	3,350	4,582	3,542	4,984	4,068	3,582
Ddvp, other related	34	35	22	28	42	88	31	45	22	30
Dipropyl isocinchomeronate	< 1	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	4
Diuron	317,328	248,389	179,467	188,426	171,360	163,506	111,835	93,311	60,490	74,136
Ethoprop	1,820	2,023	2,134	5,848	5,950	7,792	9,490	14,200	13,006	10,302
Ethylene dibromide	< 1	0	0	0	0	2	2	0	0	0
Ethylene dichloride	0	0	0	< 1	0	0	0	0	0	0
Fenoxycarb	9	2	3	< 1	< 1	< 1	< 1	< 1	< 1	2
Fentin hydroxide	0	0	0	0	0	0	0	0	< 1	0
Folpet	< 1	< 1	< 1	0	< 1	< 1	< 1	0	< 1	< 1
Formaldehyde	31,956	23,116	11,825	1,349	3,082	8,696	5,452	5,138	0	0
Glyphosate	129	40	37	70	10	22	0	448	0	42
Glyphosate, diammonium salt	3,135	1,900	332	439	245	4,548	47,334	14,574	17,541	132,200
Glyphosate, dimethylamine salt	139,644	156,713	149,505	141,523	172,456	229,831	190,720	191,991	225,864	18,587
Glyphosate, isopropylamine salt	4,854,794	5,134,373	5,350,140	5,772,154	6,311,416	5,699,286	4,707,046	5,110,712	5,314,627	5,510,421
Glyphosate, monoammonium salt	20,737	31,573	25,362	22,787	26,181	27,292	23,832	28,447	26,521	21,281
Glyphosate, potassium salt	6,520,005	6,424,645	6,272,882	6,133,637	6,083,706	6,482,730	5,582,011	4,396,873	5,113,088	5,655,010
Glyphosate-trimesium	0	0	34	19	3	0	0	60	0	0
Heptachlor	0	0	< 1	< 1	0	0	0	0	0	0
Imazalil	22,305	26,528	22,293	28,336	28,737	31,198	31,046	21,982	31,277	35,041

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Iprodione	223,806	297,611	260,567	111,676	108,611	79,604	64,001	38,657	42,389	50,886
Kresoxim-methyl	23,915	22,905	23,566	20,018	17,445	16,818	11,892	26,937	12,303	10,714
Lindane	6	0	0	0	< 1	20	2	2	0	0
Malathion	443,262	355,452	334,893	361,854	325,357	360,251	252,116	320,238	272,942	318,349
Mancozeb	1,273,730	1,437,311	1,521,364	1,323,805	1,544,627	1,558,374	1,041,638	1,001,051	773,716	960,577
Maneb	286	1,275	2,224	59	3,221	866	653	166	95	5
Metam-sodium	3,606,650	3,297,827	3,144,344	3,765,658	4,307,477	4,326,370	3,593,891	3,636,234	2,800,594	2,833,708
Methyl eugenol	0	126	386	1,149	1,138	561	691	1,221	1,966	3,075
Methyl iodide	0	0	0	0	9	0	0	0	0	0
Methylene chloride	< 1	< 1	9	< 1	2	< 1	0	0	0	0
Metiram	< 1	4	26	18	13	11	37	29	5	20
Naphthalene	0	0	< 1	< 1	< 1	0	< 1	0	0	0
Nitrapyrin	5	2	0	16	179	0	106	0	13	< 1
Ortho-phenylphenol	1,316	1,181	472	418	400	88	50	1	1	< 1
Ortho-phenylphenol, sodium salt	4,815	2,261	0	0	0	0	0	0	32	0
Oryzalin	510,680	316,178	338,904	298,742	246,672	131,582	36,893	15,281	7,943	2,626
Oxadiazon	12,139	5,028	6,072	8,264	3,626	3,569	5,010	3,097	3,999	3,625
Oxythioquinox	0	1	0	< 1	0	0	0	< 1	< 1	< 1
Para-dichlorobenzene	0	0	< 1	< 1	1	0	2	< 1	0	0
Parathion	836	41	3	3	49	11	< 1	149	68	280
Pentachlorophenol	2	0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Potassium dichromate	< 1	0	0	0	0	0	< 1	0	0	0
Potassium n-methyldithiocarbamate	10,256,414	9,346,591	8,940,720	8,527,736	6,629,298	9,000,088	8,513,080	8,005,694	8,633,739	8,685,286
Propargite	214,128	206,503	245,228	226,472	227,820	227,074	160,962	170,289	140,595	176,160
Propoxur	100	49	43	29	15	5	3	3	2	< 1
Propylene oxide	396,191	368,260	255,702	216,833	229,979	271,228	163,231	138,059	168,176	134,498

Chemical	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Propyzamide	41,912	94,517	107,221	114,498	115,292	119,001	114,586	114,644	114,906	114,702
Pymetrozine	2,992	4,245	3,453	4,732	5,846	4,635	2,022	1,829	2,432	2,165
Resmethrin	4	148	67	54	3	11	5	111	1	1
S,s,s-tributyl phosphorotrithioate	6,472	6,882	8,151	8,911	8,104	6,546	6,804	3,974	3,503	2,768
Sedaxane	0	< 1	< 1	0	0	0	151	148	80	217
Spirodiclofen	34,540	42,285	47,322	52,804	48,064	58,681	59,879	28,884	22,043	23,742
Terrazole	452	416	304	180	108	78	100	128	105	92
Tetrachloroethylene	< 1	< 1	0	< 1	0	< 1	0	0	0	0
Tetrachlorvinphos	173	66	55	109	63	31	38	< 1	< 1	2
Thiodicarb	0	0	< 1	0	0	0	0	0	0	0
Toxaphene	4	3	35	8	< 1	< 1	14	< 1	8	0
Trichloro ethylene	0	0	10	< 1	2	0	0	0	0	0
Vinclozolin	149	125	81	39	12	114	6	2	5	117
Total	46,477,535	44,033,423	41,788,140	41,674,726	39,626,720	42,161,797	37,140,508	34,383,130	32,505,936	33,368,241